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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,084	10/20/2003	Daniel A. Koos	NOVLP068/NVLS-000818	4873
22434 7	590 11/30/2006		EXAMINER	
BEYER WEA	AVER & THOMAS, I	VINH, LAN		
OAKLAND, CA 94612-0250			ART UNIT	PAPER NUMBER
			1765	
•			DATE MAILED: 11/30/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
		10/690,084	KOOS ET AL.			
	Office Action Summary	Examiner	Art Unit	•		
		Lan Vinh	1765			
Period fo	The MAILING DATE of this communicat or Reply	ion appears on the cover sheet w	th the correspondence address	S		
A SH THE - Exte after - If the - If NO - Failu Any	IORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA ensions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) dato period for reply is specified above, the maximum statutor ure to reply within the set or extended period for reply will, I reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In no event, however, may a lation. ys, a reply within the statutory minimum of thin y period will apply and will expire SIX (6) MON by statute, cause the application to become AB	reply be timely filed  ty (30) days will be considered timely.  ITHS from the mailing date of this commun  BANDONED (35 U.S.C. § 133).	iication.		
Status						
1)⊠	Responsive to communication(s) filed or	n 24 October 2006.				
	_	☐ This action is non-final.				
3)□	, <del></del>					
Disposit	ion of Claims					
5)⊠ 6)⊠ 7)⊠	Claim(s) <u>1-6,9-17,24-29,34-60,62-67 and</u> 4a) Of the above claim(s) is/are w Claim(s) <u>25-27 and 43-56,57-60, 6267</u> Claim(s) <u>1-6,14-17,24,28,29 and 38-42</u> Claim(s) <u>9-13 and 34-37</u> is/are objected Claim(s) are subject to restriction	vithdrawn from consideration.  7,70-76 is/are allowed. is/are rejected. to.	olication.			
Applicat	ion Papers					
10)	The specification is objected to by the ExThe drawing(s) filed on is/are: a)[ Applicant may not request that any objection Replacement drawing sheet(s) including the The oath or declaration is objected to by	accepted or b) objected to to the drawing(s) be held in abeyar correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.1			
Priority ι	ınder 35 U.S.C. § 119					
12)[ a)	Acknowledgment is made of a claim for f  All b) Some * c) None of:  1. Certified copies of the priority doc  2. Certified copies of the priority doc  3. Copies of the certified copies of the application from the International See the attached detailed Office action for	numents have been received.  numents have been received in A ne priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage	<b>e</b>		
2) 🔲 Notic	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-9	Paper No(s	Summary (PTO-413) S)/Mail Date			
3) 🔯 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO r No(s)/Mail Date <u>91106</u> .	/SB/08) 5) Notice of Ir 6) Other:	nformal Patent Application (PTO-152) —·			

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#### **DETAILED ACTION**

## Response to Arguments/Amendment

1. The previous final rejection(s) of claims 1-6, 16-24,28-29, 34-42 based on Uzoh and Modak have been withdrawn in view of added limitation of "wherein the etching solution oxidizes the metal of the substrate to a metal oxide". However, upon further consideration, a new ground(s) of rejection of claims 1-6, 14-17, 24, 28, 29, 38-42 based on nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8,10-17, 26--30 of copending Application No 11/586394

Applicant's arguments, see page 6 of the response, with respect to the final rejection(s) of claims 57, 67 under 35 U.S.C 103(a) have been fully considered and are persuasive. The rejection(s) has been withdrawn.

### **Double Patenting**

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

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Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-6, 14-17, 24, 28, 29, 38-42 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8,10-17, 26-30 of copending Application No. 11/586.394 in view of Kondo et al (US 2005/0074967). Claims 1-8,10-17, 26-30 of copending application 11/586394 meet all the limitations of claims 1-6, 14-17, 24, 28, 29, 38-42 of the instant application except the limitation of "wherein the etching solution oxidizes the metal of the substrate to a metal oxide". However, Kondo discloses a polishing method comprises a step of limitation of oxidizing the metal of the substrate to a metal oxide by an acidic polishing/etching solution (page 13, claim 40). Thus, one skilled in the art at the time the invention was made would have found that the step of "wet etching metal from the substrate ......by contacting the substrate with a wet etching solution", as recited in claims 1, 26 of copending application 11/586.394, would have obviously oxidized the metal of the substrate to a metal oxide for rendering the oxidized metal water-soluble as taught by Kondo

This is a <u>provisional</u> obviousness-type double patenting rejection.

## Allowable Subject Matter

3. Claims 9-13, 34-37 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 25-27, 43-60, 62-67, 70-76 allowed.

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The reasons for allowance of claims 25, 43, 48, 57, 67 have been discussed in the previous office action

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#### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lan Vinh whose telephone number is 571 272 1471. The examiner can normally be reached on M-F 8:30-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571 272 1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 28, 2006